

TOCKSTEIN, A.

Distr: 4E3d/4E2b(w) 21

The dependence of pressure on temperature during higher-order phase transitions. Antonín Tockstein (Vysoká škola chem.-technol., Pardubice, Czech.). *Chem. Listy* 52, 807-74 (1958). It is shown thermodynamically that the temp. dependence² of the pressure in higher-order phase transitions is linear. Exptl. data on monolayers support the relations derived.

E. Erdős

4

2

QC

Theory of electrometric indication of the equivalence point in irreversible oxidation-reduction systems by using two polarizable electrodes. Antonín Tockstein and Karel Komera (Vysoká škola chem. technol., Pardubice, Czech.). *Chem. listy* 52, 1470-84 (1958).—Titration curves of irreversible oxidation-reduction systems were computed for the "dead stop" and for the derivation methods. The accuracy of the detn. of equiv. point depends on the degree of irreversibility of the titrated oxidation-reduction system.

F. Štránská

Distr: 4E2c

✓Separation and estimation of small amounts of barium in
the presence of strontium and calcium // A. Tuckstein and V.
Novák. Collection Czechoslov. Chem. Commun., 24, 59-63
(1959)(in German).—See C.A. 52, 83411. M. Hudlický

5
1

JH

TOKSTEIN, A.

CZECHOSLOVAKIA / Physical Chemistry. Electrochemistry. B-12

Abs Jour: Ref Zhur-Khimiya, No 8, 1959, 26619.

Author : Tockstein, A.

Inst : Not given.

Title : The Application of the Polarographic Method to the
Investigation of Reaction Products [Monitoring].

Orig Pub: Chem Prumysl, 8, No 6, Supplement No 2, 12 pages
(1958), illustrated; No 9, Supplement No 3, 12
pages, illustrated (in Czech).

Abstract: A survey with a bibliography listing 35 titles.
-- M. Surova.

Card 1/1

34

TOCKSTEIN, A.

SCIENCE.

Periodical: CHEMICKE LISTY. Vol. 52, no. 2, Feb. 1958.

TOCKSTEIN, A.; NOVAK, V. Separation and estimation of small amounts of barium in
the presence of strontium and calcium. p. 269

Monthly List of East European Accessions (EEAI) LC, Vol. 8, no. 3
March 1959 Unclass.

Tockstein, A.

✓ Theory of electrometric indication of the equivalence point in irreversible oxidation-reduction systems by using two polarizable electrodes. Antonín Tockstein and Karel Komers (Vysoká škola chem. technol., Pardubice, Czech.).
Chem. listy 52, 1479-81 (1958).—Titration curves of irreversible oxidation-reduction systems were computed for the "dead stop" and for the derivation methods. The accuracy of the detn. of equiv. point depends on the degree of irreversibility of the titrated oxidation-reduction system.
F. Straček

Tockstein, Antonin

/ Complexonate-exchange reactions as a basis of analytical micromethods. Antonín Tockstein (Vysoká škola chem.-technol., Pardubice, Czech.). *Sborník věd. prací, Vysoká škola chem.-technol., Pardubice* 1959, 139-54.—The theoretical principles of EDTA-metal complex formation were discussed. A ppt. (MX) is completely sol. in a complexing agent (NY) if $K_M \cdot L / K_N > C^*$, where K is the complexing const., L the solv. product of MX, and C^* the anal. concn. of X . If $K_M \cdot L / K_N < C^*$, then MX is not completely sol. In the presence of a third cation, errors are introduced. If the complexing-agent concn. is excessive the excess must be re titrated and if the metal-ion concn. is too low for pptn. "metal buffer" is added to supplement it. Examples of detn. of sulfates, Sc, and Ca-Sr-Ba mixt. are given.

Alexej B. Bojkovac

3
g/g (NB)

TOCKSTEIN, A.

"Principles of polarography" by J.Reyrovsky, J.Kuta. Reviewed
by A.Tockstein. Chem listy 58 no. 3:327 Mr '64.

CZECHOSLOVAKIA/Analytic Chemistry Analysis of Inorganic
Substances.

E

Abs Jour: Ref Zhur-Khim., No 23, 1958, 77221

Author : Tockstein, Antonin; Novak, Vlastimil.

Inst :
Title : Separation and Determination of Small Amounts of
Barium in Presence of Strontium and Calcium.

Orig Pub: Chem. listy, 1958, 52, No 2, 269-275

Abstract: A method of quantitative separation of small amounts of Ba (less than 1 mg) in the form of BaSO_4 from great amounts of Sr and Ca was developed. BaSO_4 is selectively separated by that method from a cooled ammonium solution of chelates of the above mentioned metals with ethylene-diamine-tetraacetic acid (I) after the addition of an excess

Card : 1/5

CZECHOSLOVAKIA/Analytic Chemistry. Analysis of Inorganic
Substances.

E

Abs Jour: Ref Zhur-Khim , Nc 23, 1958, 77221

of Co^{2+} solution in the presence of K_2SO_4 Ba in the separated BaSO_4 is determined polarographically by an earlier described method (Tockstein A, Serák L., Chem listy, 1952, 46, 539), the metals are expelled from their chelates with I by the action of Co^{2+} in the sequence Ba, Sr and only insignificantly Ca. In order to attain a quantitative separation of Ba, the analysis is carried out at a possibly high NH_4OH concentration (11 M) at a low temperature at an about 20-fold excess of SO_4^{2-} (with reference to Ba^{2+}) and only at a 0.5 to 2-fold excess of I (necessary in order to convey the sulfates of alkali /sic'/ metals into solution) and of Co^{2+} (with reference to I).

Card : 2/5

60

CZECHOSLOVAKIA/Analytic Chemistry Analysis of Inorganic
Substances.

E

Abs Jour: Ref Zhur-Khim , No 23, 1958. 77221

NH₄OH in use must not contain any carbonates. The analyzed solutions must be protected from the influence of CO₂ and O₂ of the air during the analysis process (the ammonium complex of Co³⁺ produces with 1 more stable chelates than the alkali-earth metals). In the majority of cases (81%), the relative error of Ba determination reaches +3%, and in the other cases (19%) it does not exceed +4.5%. The error of the separation alone is +0.5% in the average. The following is added in the analysis to a sample, in which the total content of alkali-earth metals has been determined by the chelatometric method: a small excess of 0.1 or 0.2 M solution of Na₂-

Card : 3/5

CZECHOSLOVAKIA/Analytic Chemistry. Analysis of Inorganic Substances.

E

Abs Jour: Ref Zhur-Khin , No 23, 1958, 77221.

salt of I, 5 ml of saturated K_2SO_4 solution in 11 M NH_4OH and 3 to 5 ml of 11 M NH_4CH_3 ; the mixture is cooled 10 min with ice, after which a small excess (0.1 ml) of 1 M $Co(NO_3)_3$ is added. the mixture is cooled 2 to 3 min. with iced water, centrifuged, 2 drops of acetone is added (in order to reduce the surface tension), and the liquid above the precipitate is carefully removed. The $BaSO_4$ precipitate is dissolved in 0.05 to 0.01 ml of 0.1 M ammonium solution of Na_3 -salt of I, 5 ml of saturated K_2SO_4 solution in 11 M NH_4OH and 5 ml of 11 M NH_4CH_3 are added, the mixture is cooled 10 min. with ice, stirred, 0.1 to 0.15 ml of 0.1 M $Co(NO_3)_3$ is added, the mixture is cooled 3 min.

Card : 4/5

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CZECHOSLOVAKIA/Analytic Chemistry. Analysis of Inorganic
Substances.

E

Abs Jour: Ref Zhur-Khim., No 23, 1958, 77221.

with ice and centrifuged. The precipitate is dissolved in a known amount of ammonium solution of Ag chelate with I (1 to 2 ml. of 0.095 M solution), 0.5 ml of 0.5% w/v gelatin solution and 0.25 ml fuchsin solution (the saturated fuchsin solution is diluted with water to the ratio of 1 : 10) are added, all is diluted with water to 10 ml and polarographed. The height of the obtained polarographic wave is read from the height of the wave of the same amount of Ag chelate in the absence of BaSO₄; the amount of Ba is determined by the difference. - Jiri Vanecek.

Card : 5/5

CZECHOSLOVAKIA / Physical Chemistry. Electrochemistry. B-12

Abs Jour: Ref Zhur-Khimiya, No 8, 1959, 26619.

Author : Tockstein, A.

Inst : Not given.

Title : The Application of the Polarographic Method to the
Investigation of Reaction Products [Monitoring].

Orig Pub: Chem Prumysl, 8, No 6, Supplement No 2, 12 pages
(1959), illustrated; No 9, Supplement No 3, 12
pages, illustrated (in Czech).

Abstract: A survey with a bibliography listing 35 titles.
-- M. Surova.

Card 1/1

34

COUNTRY : Soviet Union
CATEGORY : Physical Chemistry, Electrochemistry.
ABS. JOUR. : ZhKhim., No 17, 1959, No. 60160
AUTHOR : Techstein, A., Umers, K.
INSTITUTE :
TITLE : Electrometric Indication of the Equivalence Point Employing Two Polarizing Electrodes for
ORIG. PUB. : Chem. Listy, 1958, No 8, 1479-1484

ABSTRACT : Investigated is the shape of titration curves of the irreversible oxidation-reduction systems at a constant voltage applied to two indicating type electrodes (the method of "dead center"), or at a constant current (the differential method). For the construction of curves, the theory of the irreversible polarographic processes is utilized, employing an "a" constant, the reciprocal of which designates the reaction velocity constant for the reduction and oxidation reaction and a coefficient of transition ζ .

*the Irreversible Oxidation-Reduction Systems

Card: 1/2

B-18

Country	:	Czechoslovakia
Category	:	
Obs. Jour	:	45096
Author	:	Pockstein, A.
Institut.	:	Not given
Title	:	Temperature Dependence of the Pressure of Phase Transitions of Higher Order
Orig Pub.	:	Collection Czechoslov Chem Commun, 23, No 10, 1351-1858 (1958)
Abstract	:	See ZEKhim, No 7, 1959, 22482.

Card: 1/1

CZECHOSLOVAKIA / Physical Chemistry. Thermodynamics. B-8
Thermochimistry. Equilibria. Phase
Transitions. Physico-Chemical Analysis.

Abs Jour: Ref Zhur-Khimiya, No 7, 1959, 22482.

Author : Tockstein, Antonin,

Inst : Not given.

Title : Concerning the Dependence of Pressure on Temper-
ature in the Case of Phase Transition of Higher
Order.

Orig Pub: Chem. listy, 1958, 52, No 3, 367-374.

Abstract: The differential equation for a phase transition
of the 2nd order is derived, and the equation
for the transition of any order is generalized.
It is proved that the interdependence of vapor
pressure and temperature is linear in transitions

Card 1/2

13

CATEGORY	: Czechoslovakia	E-1
CATEGORY	:	
ABS. JOUR.	: RZhKhim, No. 5 1960, No.	17434
AUTHOR	: Tockstein, A. and Komera, K.	
JOURNAL	: Not given	
ABSTRACT	On the Theory of the Electrokinetic Indication of the Endpoint with Two Polarizable Electrodes in Irreversible Redox Systems	
CRIG. PUB.	Collection Czechoslov Chem Commun, 24, No 7, 2528-2534 (1959)	
ABSTRACT	See RZhKhim, 1959, No 17, 50160.	
CARD: 1/1		

TOCKSTEIN, A.; PECHANEC, V.; RIHA, V.; NEPRAS, M.

Oxidation of tolyl blue SB. III. Isolation and identification of oxidation products. Coll Cz Chem 25 no.8:2135-2146 Ag '60.
(EEAI 10:9)

1. Technische Hochschule fur Chemie, Pardubice.

(Tolyl blue) (Azo dyes)

CZECHOSLOVAKIA/Atomic and Molecular Physics - Statistical Physics. D-3
Thermodynamics.

Abs Jour : Rof Zhur - Fizika, No 12, 1958, No 27218

Author : Tockstein Antonin
Inst : Not Given

Title : On the Dependence of the Pressure on Heat in Phase Transitions of Higher Order.

Orig Pub : Chem. listy, 1958, 52, No 3, 367-374

Abstract : Using thermodynamic theory it is shown that the dependence of pressure on the heat in phase transitions of higher order has a linear character. Using as examples higher-order phase transitions in monomolecular films, the correctness of the relations obtained is proven. Bibliography, 22 titles.

Card : 1/1

• 200/10/10
~~The theory of higher-order phase transitions. Antonin Tockstein. Collection Czechoslov. Chem. Commun. 20 (1955) in English).—See C.A. 49, 14450h.~~
E. J. C.

PM *[Signature]*

"APPROVED FOR RELEASE: 07/16/2001

CIA-RDP86-00513R001756010008-3

alkali, and cyanide. Cu(I) is dissolved and cyanide is reduced to cyanate and cyanide, and Cu(II) is reduced to Cu(I). Cu(I) is unique in that gelatin solution produces in all media. The splitting of the polarographic waves with equal concentrations of Cu⁺ and Cu(II) is erratic where the reduction current is concerned.

APPROVED FOR RELEASE: 07/16/2001

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"APPROVED FOR RELEASE: 07/16/2001

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APPROVED FOR RELEASE: 07/16/2001

CIA-RDP86-00513R001756010008-3"

TECKSTEIN, ANTONIN

6

✓ Unimolecular films. V. Study of a palmitic acid film by
intensity measurements of elliptically polarized light.
Antonín Teckstein and Jiří Dvorský (Vysoká škola chem.
Panenské Břežany, Czechoslovakia). *Chem. Listy* 49, 985-990 (1955); cf.
C.A. 49, 6070b.—By the method previously described two
heterogeneity regions of palmitic acid monolayer were studied.
The first, in the range of areas 30-5200 sq. Å. per
mol, is ascribed to the coexistence of a gas film and a liquid
film. The other region below the area 22 sq. Å. per mol, is
ascribed to the coexistence of 2 metastable phases of the
condensed film of palmitic acid.
E. Erdős

Spm
BM

LEONID M. ANTONOV

The relation between metastable states and phase transitions of a higher order Antonin Teksirin Vysočina Akademie věd, Brno, Czechoslovakia Chem. Listy 1959, 53, 173-4 (1976). Cf. C.A. 80, 144564. Specific-state equations for individual phases are postulated; metastable states may occur in phase changes of uneven order, whereas in the phase changes of even order the existence of metastable states is not possible, at least in one direction. E. Erdős

PM LK

Tockstein, A.

C Z E C H

✓1663. Polarographic investigation of the cysteine-cystine system. II. The polarography of cystine. M. Kalousek, O. Grubner and A. Tockstein. (Coll. Czech. Chem. Commun., 1964, 19, 1111-1123).—In view of the anomalous behaviour of cysteine and cystine in various potentiometric and colorimetric procedures, as well as the discrepancies in the values quoted for the oxidation potential of the cysteine-cystine system, this system was investigated polarographically. The system is an irreversible one, so that its apparent oxidation potential has no real significance. [This is a translation into Russian of a paper that was published originally in Chem. Listy, 1963, 47, 1143.] M. KAPUL

Polarographic study of vanadium. Karel Michálek
Antonín Tockstein (Karlova Univ., Praha, Czechoslovakia).
J. Polym. Sci. 43, 643-649 (1960). The polarographic curves
of VIV and V^{IV} salt solns. in NaClO₄ (0.1M), Britton-
Robinson buffer, acetate buffer, and 0.1M citrate are
described. The effects of the (ethylenediamine)tetraacetic acid
in these curves was investigated in detail. E. Erdig
①

TOCKSTEIN,A.; PECKA,R.; BALCAR,B.; SAGNER.P.

On the oxidation of 1-p-tolylaminonaphthalene-8-sulfonic acid. Pts 1-2. Coll Cz Chem 28 no.11:3030-3056 N'63.

1. Institut fur physikalische Chemie, Technische Hochschule fur Chemie, Pardubice.

CZECH

The theory of higher-order phase transitions. Antonín
Tock Áein (Vojtěch Šebek, Miloslav Pardubice, Czechoslovakia)
Chemistry 49, 1107-11 (1954). Relations between partial
derivatives of the free enthalpy differences of both phases
are derived between which the n -th order phase transition is
possible. E. Erdős

BTR

1470* Polarographic Irreversibility in Decelerated Electrode Processes. (In German.) A. Tockstein. Collection of Czechoslovak Chemical Communications, v. 16, no. 2, 1951, p. 101-112.

Proves mathematically the validity of Nernst's equation on above; and describes a special electrolytic vessel and its use in the preparation and study of numerous cases of inorganic redox systems. Several cases of retarded electrode reaction were used to test validity of the derived equation. Includes graphs and diagrams.

TOCHSTEIN, A.

TOCHSTEIN, A. - Relation between metastable states and phase transitions of a
higher order. p. 173.
Vol. 50, no. 2, Feb. 1956
CHENICKI LISTY (Ceskoslovenska akademie ved. Chemicky ustav)
Praha, Czech.

SOURCE: EAST EUROPEAN ACCESSIONS (EEAL) VOL 6 NO 4 April 1957

HRUSKA, Vaclav, podplukovnik dr.; TOCIK, Michal, podplukovnik dr.;
Technicka spoluprace: KOVAROVA, Marcela; HAHA, Miloslav

Fungicidal effect of peracetic acid on meat microflora. Voj.
zdrav. listy 34 no.5:215-217 O '65.

Possible use of peracetic acid in fruit and vegetable dis-
infection. Ibid.:217-220

1. Hygienicko-epidemiologicky oddil Plzen.

TOCIEANU, D.

A precious mechanization. p. 588.

REVISTA CAILOR FERATE. (Caiile Ferate Romine) Bucuresti, Rumania.
Vol. 6, no. 11, Nov. 1958.

Monthly List of East European Accessions (EEAI) IC, Vol. 8, no. 7, July 1959

Uncl.

L 29498-66

ACC NR: AP6020012

SOURCE CODE: CZ/0079/65/007/003/0297/0297

R3

B

AUTHOR: Balaz, J. (Trencin); Smolko, M.; Tocik, V.

ORG: Otorhinolaryngological and Psychiatric Department, District Health Center, Trencin

TITLE: Treatment of severe stuttering with large doses of neuroleptics. This paper was presented at the 7th Annual Psychopharmacological Meeting, Jesenik, 20-23 January 1965. /

SOURCE: Activitas nervosa superior, v. 7, no. 3, 1965, 297

TOPIC TAGS: psychotherapy, psychoneurotic disorder

ABSTRACT: Complex treatment with neuroleptics combined with individual or group therapy can be successful where logopedic exercises by themselves do not help. Even patients with an inferior intellect can respond favorably to such a treatment. 4 cases treated by the authors confirm this hypothesis. /Orig. art. in Eng./ [JPRS]

SUB CODE: 06 / SUM DATE: none

Card 1/1 LS

TOCIL, S; LAZARESCU, F, TUTUGIU, N

Verification of embankment compactness by geophysical methods; electrometry. p.358

RIDROMINICA. (Asociatia Stiintifica a Inginerilor si Tehnicianilor din Romania) Bucuresti, Romania, Vol. 4, no. 11, Nov. 1959

Monthly List of East European Acquisitions (EMI) LC, Vol. 4, no. 2, Feb. 1960

Uncl.

Tockstein, A.

Application of the polarographic method to the study of
reaction products. Antonín Tockstein. (Vysoká škola
chem. technol., Pardubice, Czech.). Chem. průmysl, Suppl.
No. 2, 12 pp. (1958).—A review discussing the detn.
of equil. consts. and compn. of reaction products from the
shifts of half-wave potentials in cation-amalgam oxidation-
reduction systems and the dependence of half-wave poten-
tials on pH and complexing agents. Herbert Morawetz.

3

TOCKSTEIN, A.

"Polarographic study of vanadium." Ceskoslovenska Morfologie, Praha, Vol. 42, No. 5, May 1954, p. 648.

SO: Eastern European Accessions List, Vol. 3, No. 11, "ov. 1954, L.C.

TOCKSTEIN, A.

"Polarography, a Key to the Solution of Electrochemical Problems," p. 80.
(Matematicko-Prirodovedecky Rozhledy, Vol.32, No.3, 1953, Praha.)

SO: Monthly List of Russian Accessions, Library of Congress, September 1953, Uncl.

4

CA

Polarographic irreversibility in the case of delayed electrode reactions. A. Tockstein (Polarographic Inst., Prague). *Collection Czechoslov. Chem. Commun.* 16, 101-12 (1951) (in German); *Chem. Listy* 45, 103(1951). - An equation is derived based on the reaction-rate consts. for oxidation and reduction which is applicable to irreversible systems where the rates are unequal. The equation includes cathodic and anodic currents and the degree of irreversibility. An app. is described for prep. metal amalgams as rapidly as needed. The following metal amalgam-metal ion systems were tested in Cl^- , SO_4^{2-} , $\text{C}_6\text{H}_5\text{COO}^-$, CN^- , and tartrate media: Cu, Sn, Sb, Pb, Cd, Bi, and Tl. All were irreversible (cf. *C.I.* 42, 8071a). K. G. Stone

CA

7

The course of leaching of roasted zinc concentrate. J.
Formanek and A. Tockstein, *Chem. Listy* 43, 33-0
(1949).—A concentrate obtained from a low-grade sphalerite by flotation was roasted and leached with HCl. The
aim was to ext. the max. amt. of Zn with min. amts. of Fe
and Cu. The optimum conditions are roasting the ore at
400° and leaching with 20% HCl. Mechanism of the
reaction of Zn ore during roasting is formulated mathe-
matically. M. Hudlický

S/081/62/000/018/009/059

B144/B186

AUTHORS: Novák, V., Tockstein, A.

TITLE: Separation and determination of small amounts of strontium or of barium together with strontium in the presence of calcium

PERIODICAL: Referativnyy zhurnal. Khimiya, no. 18, 1962, 103 - 104,
abstract 18D36 (Collect. Czechosl. Chem. Comms, v. 27,
no. 1, 1962, 41 - 45 [Ger.; summary in Rus.])TEXT: A method was developed for quantitatively separating small amounts (< 1 mg) Sr or Sr + Ba in the form of sulfates from large amounts of Ca by selectively displacing Ba and Sr from their complexonates by the

Co²⁺ ion. The determination was completed by polarographic analysis: To analyse the mixture of alkaline-earth elements, first Ca + Sr + Ba are titrated off by complexon III-solution (I), a small excess of I with 2.5 ml of 96% ethanol and 2 ml of 11 M NH₄OH are added (the addition at a ratio Ba:Sr > 1 being 2 ml of ethanol and 1 ml of NH₄OH), then the mixture is diluted to 12.5 ml and heated to 40 - 45°C for 10 min, whereupon

Card 1/2

Separation and determination...

S/081/62/000/018/009/059
B144/B186

0.2 M $\text{Co}(\text{NO}_3)_2$ is added in an amount exceeding the addition of I by 0.5 - 2%. The precipitate $\text{Co}(\text{OH})_2$ is dissolved by adding 2 ml 1 M $(\text{NH}_4)_2\text{SO}_4$, it is heated to 40 - 45°C for 10 min, the sulfate precipitate is centrifuged off and is dissolved in a very small amount of 0.2 M I solution in the presence of 2 ml 11 M NH_4OH and diluted to 10 ml with water. The displacement of Sr and Ba by Co^{2+} solution is repeated. The sulfate precipitates are dissolved in a known amount of 0.01 M Ag complexonate solution, 3 ml of 0.5% gelatine solution, 0.5 ml of 11 M NH_4OH and 0.5 ml fuchsine solution (saturated aqueous solution diluted to 1:10) are added; then the mixture is diluted to 50 ml and is determined polarographically. The Sr or Sr + Ba content is found from the decrease in the height of the wave of the Ag complexonate. The probable error in this determination is $\leq 3\%$. [Abstracter's note: Complete translation.]

Card 2/2

TOCKSTEIN, A.; PECKA, R.

Oxidation of tolyl blue SB. I. Potentiometric and chromatographic study of the oxidation process. II. Potentiometric study of single- and double-electron oxidation products. Coll Cz Chem 25 no.8: 2115-2134 Ag '60. (EEAI 10:9)

1. Technische Hoschule fur Chemie, Pardubice.

(Azodyes) (Tolyl blue) (Potentiometer)
(Chromatography) (Electrons)

TOCKSTEIN, A.

"Dependence of pressure on temperature during higher order phase transitions."

p. 367 (Chemicke Listy, Vol. 52, no. 3, 1958, Praha, Czechoslovakia)

Monthly Index of East European Accessions (EEAI) LC, Vol. 7, no. 9,
September 1958

TOCKSTEIN, A.

"The relation between metastable states and higher-order phase transitions.
In English."

p. 14 (Journal on chemistry and biochemistry - Czechoslovak Academy of Science)
Vol. 22, No. 1, Feb. 1957

SO: Monthly Index of East European Accession (EEAI) LC, Vol. 7, No. 5, May 1958

Tockstein Antonin

CZECHOSLOVAKIA/Thermodynamics - Thermichemistry. Equilibria.
Physical-Chemical Analysis. Phase Transitions.

B-8

Abs Jour : Referat Zhur - Khimiya, No 6, 1957, 18473

Author : Antonin Tockstein.

Title : Relation between Metastable States and Phase Transitions
of The Highest Order.

Orig Pub : Chem. listy, 1956, 50, No 2, 173-179

Abstract : It follows from the discussion of the above mentioned
relations that in case of phase transitions of an even
order it is necessary that at least one phase could not
exist in a metastable state; consequently, the existence
of metastable states is impossible at such transitions.
On the contrary, in case of phase transitions of an uneven
order, the existence of metastable states proves to
be possible.

Card 1/1

- 163 -

TOCKSTEIN, A.

Use of colorimetric and spectrophotometric methods in the study of reaction products.

(Supplement) p. II. (Chemicky Prumysl. Vol. 7, no. 3, Mar. 1957, Praha, Czechoslovakia)

Monthly Index of East European Accessions (EEAI) LC. Vol. 7, no. 2,
February 1958

"APPROVED FOR RELEASE: 07/16/2001

CIA-RDP86-00513R001756010008-3

pressure-area curves
B IRGOS

①

(S)

APPROVED FOR RELEASE: 07/16/2001

CIA-RDP86-00513R001756010008-3"

TOCKSTEIN, A.

TOCKSTEIN, A. Contribution to the theory of higher-order phase transitions.
In English. p. 240. Vol. 21, No. 1, Feb. 1956. Sbornik
CHEKHOVATSKIKH KHIMICHESKIKH RABOT. COLLECTION OF
CZECHOSLOVAK CHEMICAL COMMUNICATIONS. Praha, CZ CZECHOSLOVAKIA.

SOURCE: EAST EUROPEAN ACCESSIONSLIST (EAL) Vol. 6, No. 4, April 1957

TOCKSTEIN, A.; CHLEBNY, J.

Oxidation of tolyl blue SB. IV. Tolyl blue as redox indicator. Cz Chem 25 no.8:2147-2154 Ag '60. (EEAI 10:9)

1. Technische Hochschule fur Chemie, Pardubice.

(Azo dyes) (Indicators and test papers)

TOCKSTEIN, Antonin

Use of the potentiometric method for study of reaction
products. Pts. 1-2. Sbor VSChT Pardubice no.1:133-201
'63.

1. Chair of Physical Chemistry, Higher School of Chemical
Technology, Pardubice.

TOCKSTEIN, ANTONIN

8
③ - remit

Polarographic study of vanadium. Karel Micka and Antonin Tockstein (Karlova Univ., Prague, Czech.). Chem. Listy 48, 648-64 (1954). The polarographic curves of V^{IV} and V^V salt solns. in Na₂B₄O₇, Na₂CO₃, Britton-Robinson buffer, acetate buffer, and H₂SO₄ media are described. The effects of the ethylenediaminetetraacetic acid in these curves was investigated in detail. R. Brdka.

11-26-54

TOCKSTEIN, Antonin

Chemical Abst.
Vol. 48
Apr. 10, 1954
Electrochemistry

Polarographic investigation of the system cystine-cysteine.
I. Polarography of cysteine. Otto Grubner (Charles Univ., Prague, Czech.). *Chem. Listy* 47, 1133-42 (1953).
An anodic wave of cysteine was described. It was observed in neutral and acidic media at potentials more pos. than those of the anodic wave hitherto investigated. The concn., pH, and temp. dependences of both waves were compared. Hg macroelectrodes showed that the anodic depolarization process did not correspond to the oxidation of cysteine to cystine but rather to the anodic oxidation of Hg, the ions of which reacted with cysteine to form compds. whose solv. depended on pH. Thus, solid films on the electrode surface were formed, and this gave rise to the more pos. wave. An analogous behavior was found with HgS. By means of a special commutator it was ascertained that the repolarization process connected with the formation of compds. between cysteine and Hg was reversible. II. Polarography of cystine. Mirkó Kalousek, Otto Grubner, and Antonín Tockstein, *ibid.* 1143-51. — Expts. analogous to those above lead to a qual. explanation of the polarographic reduction of cystine. The more pos. reduction wave of cystine was due to the electro-reduction of a product which was formed on the dropping electrode in the direct oxidation of Hg by adsorbed cystine. The 2nd wave was due to the irreversible reduction of cystine to cysteine. On Hg electrodes, cystine and cysteine did not form a reversible oxidation-reduction system, and therefore published values of the oxidation-reduction potentials had no thermodynamic significance. E. Erdős

TOCKSTEIN, A.

"Fundamental chemistry" by D.H. Andrews, R.J. Kokes. Reviewed
by A. Tockstein. Chem listy 57 no.6:652-653 Je '63.

CZECHOSLOVAKIA

TOCKSTEIN, A.

Institute of Physical Chemistry, Chemical Technical College,
Pardubice.

Prague, Collection of Czechoslovak Chemical Communications,
pp 3621-3630.

"Application of electrode potential dependency on time in
kinetic reactions. Part 1:Equation for electrode potential
in an unbalanced mixture of some electroactive reduction-
oxidation systems."

PATRULIU, D.; TOCORJESCU, M.;

Stratigraphic study of the neo-Jurassic, Cretaceous,
and Neocene deposits penetrated by the Atirnati (Cimpia
Romina) drilling. Dari seama sed 47:117-130 '59/60
[publ. '62].

TOKO RONIC, D. B.

YUGO

Effect of Sodium bisulfite on the absorption rate of acetylcholine and L-nor-adrenalinine. M. P. Milosevic and J. B. Todorovic. Acta Biol. Ser. A., 19, 197-203 (1959); Excerpta Med., Sect. II, 7, 1115-16 (1959). - Subcutaneous injection of mixts of acetylcholine (I) or L-nor-adrenalinine (II) and Na bisulfite are more effective than injections of pure I or II. Previous intravenous injection of rutin protected the exptl. animals against the effects of I + Na bisulfite, but not against II + Na bisulfite. Possibly, there is a combined effect of II and rutin analogous to the joint effect of bisulfite. A. M. M.

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M

L 33321-66 EWP(t)/ETI IJP(c) JD
ACC NR: AP6024626

SOURCE CODE: RU/0017/65/000/006/0314/0318

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B

AUTHOR: Tocu, P. (Engineer)

ORG: Metallurgical Research Institute, Bucharest (Institutul de cercetari metalurgice)

TITLE: Studying the movement of the materials in furnaces by means of radioactive isotopes

SOURCE: Metalurgia, no. 6, 1965, 314-318

TOPIC TAGS: radioisotope, furnace

ABSTRACT: A discussion of the use of radioactive isotopes to study the movement of molten masses in furnaces. The author points out that complete and conclusive data can be obtained by using the method of radioactive soundings. Orig. art. has: 4 figures. [Based on author's Eng. abst.] [JPRS]

SUB CODE: 13, 18 / SUBM DATE: none / ORIG REF: 007 / SOV REF: 001

Card 1/1 ULR

UDC: 669.162.26:621.039.85

0915

2260

AVRAM, Cezar, ing.; IATAN, Nicolae, ing.; TOCU, P., ing.; GRIGORE, N., ing.
FLESER, S., ing.; SCHILLER, M., ing.; SECASIU, M., chim.;
FRENTONI, D., ing.; STOICOI, I., ing.; PILLY, H.

Casting qualities of gray cast iron from the Victoria-Calan
Works at the evacuation from the furnace and after remelting
in cupola furnace. Metalurgia Rum 15 no.4:305-311 Ap '63.

1. Institutul de Cercetari Metalurgice (for Avram, Iatan).

TOCZEK, J.

Self-government of Szczecin Voivodeship before the 2d Congress. p.6
ROLNICZA SPÓŁDZIELCZA (Centrala Rolnicza Spółdzielni "Samopomoc Chłopska") Warszawa
Vol. 9, no. 4, Jan. 1956

Co. East European Accessions List

Vol. 5, No.9

September 1956

ENCERITA MEDICA Sec 8 Vol 12/11 Neurology Nov 59

5513. CEREBRAL FAT EMBOLISM - O zatorze tłuszczowym mózgu - Toczek
St., Doroba M. and Teleszczyński M., Klin. Neurochir., Akad.
Med., Warszawa - POL. PRZEGŁ. CHIR. 1958, 30/10 (889-898) Tables I

Five instances are reported occurring in patients treated for various injuries.

After a detailed discussion of the cerebral symptoms in the course of a fat embolism, special attention is paid to the state of the intracranial tension, which may be normal, raised or lowered in these cases. Fat emboli may be the cause of intracranial hypotension, through anaemia and anoxia in the subthalamic nuclei, which according to Choróbski (1950) govern the vasculomotor functioning of the choroid plexuses. The characteristic clinical symptoms of fat embolism and the diagnostic difficulties are discussed and differentiated from the symptoms of intracranial haemorrhage, dural hygroma, cerebral contusion, or commotion, especially if accompanied by simultaneous head injury. It is emphasized that early and correct diagnosis permits at least some of the sequelae of those emboli to be combated, e.g. the state of intracranial hypotension. (IX, 8)

BOKIEWICZ, Janusz; ZGLICZYNKI, Leszek; MIERNOWSKI, Stanislaw; TOCZEK,
Stanislaw; RUDNICKI, Stanislaw; HAFTEK, Jan

Cerebral angiography in the region of the internal carotid
artery (preliminary communication). Polski prezegl.radiol.
23 no.5:283-297 S-0 '59.

1. Z Zakladu Radiologii Lekarskiej A.M. w Warszawie Kierownik:
prof. dr nauk med. W. Zawadowski i z Kliniki Neurochirurgicznej
A.M. w Warszawie Kierownik: prof. dr med. J. Chorobski.
(CEREBRAL ANGIOGRAPHY)

TOOZEK, Stanislaw,

Fat embolism of the brain and its possible effect on intracranial hypotension. Neurologia etc. polska 4 no.5:501-510 Sept-Oct 54.

1. Z Kliniki neurochirurgii A.M. w Warszawie - kierownik prof.
dr. J. Chorobski

(CEREBRAL EMBOLISM AND THROMBOSIS
fat embolism, eff. on intracranial hypotension)
(CEREBROSPINAL FLUID
hypotension, eff. of cerebral fat embolism)

HAFTEK, L.; WIEK, Stanislaw

Speech disorders in focal injuries of the frontal region of the dominant hemisphere, Rozpr.wydz.nauk med. 6 no.2:93-108 '61.

1. Z Zakladu Neurochirurgii Polskiej Akademii Nauk Kierownik: prof. dr med. Leszek Stepien Z Państwowego Instytutu Psychoneurologicznego w Pruszkowie Dyrektor: prof. dr Zygmunt Kuligowski.

(SPEECH DISORDERS etiol) (FRONTAL LOBE dis)

TOCZEK, Stanislaw

Disorders of inhibition processes after injuries of the frontal lobe
in man. Rozpr.wydz.nauk med. 6 no.2:145-179 '61.

l. Z Zakladu Neurochirurgii Polskiej Akademii Nauk Kierownik: prof.
dr med. Lucjan Stepien.

(FRONTAL LOBE dis) (REFLEX CONDITIONED)

TOCZEK, St.; DOROBA, M.; TELESCZCZYNSKI, M.

Cerebral fat embolism. Polski przegl. chir. 30 no.10:989-997 Oct 58.

1. Z Kliniki Neurochirurgii A. M. w Warszawie Kierownik: prof. dr J. Chorobski oraz z Oddzialu Ortopedycznego Szpitala Miejskiego w Warszawie i Kliniki Ortopedycznej A.M. w Gdansku. Kierownik: Prof. dr Z. Ambros. Adres autora: Stanislaw Toczek, Warszawa, ul. Smiala.

(CEREBRAL EMBOLISM AND THROMBOSIS
fat embolism (Pol))

SIERPINSKI, Stanislaw; TOCZEK, Stanislaw

Anomalous course of posterior inferior cerebellar arteries as a cause of the clinical picture simulating syndrome of posterior cranial fossa tumor. *Neurologia etc. polska* 11 no.6:757-766 '61.

1. Z Kliniki Neurochirurgii AM w Warszawie Kierownik: prof. dr med. J. Chorobski.
(CEREBELLUM blood supply) (BRAIN NEOPLASMS diag)

TŁOCZEK I.F.

Miasteczka rolnicze w Wielkopolsce (Agricultural towns in Great Poland) by
I. F. Tłoczek. Reported in New Books (Nowe Ksiazki.) February 15, 1956. No. 4.

WISNIEWSKI, Andrzej; TOCZKO, Józef

Comparative studies on voltage distributions at 50 Hz and impulse
voltage on insulators. Acta technica gdańska no. 2:255-270 '63.

TOCZKO, K.

Applying the micromethod in the determination of maltose in the presence of glucose,
p. 451. (PFZEMYSL ROLNY I SPOZYWCZY, Warszawa, Vol. 8, no. 12, Dec. 1954.)

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 4, No. 1, Jan. 1955,
Uncl.

POZIE, Parafilm

Peridoxin - a new biological oxygen carrier. Postepy Biol. 1984,
16 no.3:325-337

TOOZKO, Kazimierz; CHMIELEWSKA, Irena

Utilization by the human organism of components of intravenous protein hydrolysates. Acta physiol. polon. 13 no.4:489-499 '62.

1. Z Katedry Biochemii UW w Warszawie Kierownik: prof. dr. I. Chmielewska.
(PROTEIN HYDROLYSATES) (PLASMA SUBSTITUTES)
(INFUSIONS PARENTERAL)

TOCZKO, K.

Microbiological degradation of nicotine. p. 373.

ACTA BICHIMICA POLONIVA. (Polska Akademia Nauk, Komitet Bichemiczny)
Warszawa, Poland. Vol. 5, no. 4, 1958

Monthly List of East European Accessions (EEAI) LC, Vol. 8, no. 7, July 1959

Uncl.

TOCZKO, Kazimierz

The mechanisms of thiamine -- catalysed reactions. Postepy biochem.
6 no.4:425-436 '60.

(VITAMIN B1 metab)

KANIUGA, Zbigniew; TOCZKO, Kazimierz

Determination of amino nitrogen in urine. Chem anal 6 no.5:799-806
'61.

1. Department of Biochemistry, University, Warsaw.

CHMIELEWSKA, I.; TOCZKO, K.; KANIUGA, Z.; SZUMIEL, I.

Utilization by the human organism of intravenously administered protein hydrolysates. IV. Urinary excretion of amino acids with blocked amino groups. Acta physiol pol 12 no.4:549-558 '61.

1. Z Katedry Biochemii Uniwersytetu Warszawskiego w Warszawie
Kierownik: prof. dr I. Chmielewska.
(PROTEIN HYDROLYSATES metab) (AMINO ACIDS urine)

TOCZKO, Kazimierz

Bound amino acids in normal human urine. Postepy biochem. & no.2:
217-235 '62.

(AMINO ACIDS urine)

TOCZKO, Kazimierz, mgr

The mechanisms of thiamine-catalysed reactions. Postepy biochemii 6
no.4:425-436 '60. (EEAI 10:3)

1. St. asystent Katedry Biochemii Uniwersytetu Warszawskiego
(THIAMINE) (CATALYSTS)

MICHAŁ, K.; MEFER, I.

The distribution of nicotine in the roots of Nicotiana rustica. I. 59.

ACTA BOTANICA POLONICA. (Polska Akademia Nauk, Komitet Fizjologiczny)
Warszawa, Polska, Vol. 5, no. 4, 1956.

July
Monthly List of Best European Accessions (ZNA) 16, Vol. 5, no. 1/1956

Uncl.

CHMIELEWSKA, I.; TOCZKO, K.; KANIUGA, Z.; MANICKI, J.

Utilization by the human organism of individual components of intravenously administered protein hydrolysates. III. Urinary components interfering with the determination of amino nitrogen. Acta biochim. polon. 7 no.2/3:429-435 '60.

1. Katedra Biochemii Uniwersytetu, Warszawa, i II Klinika Chirugiczna Akademii Medycznej, Warszawa
(PROTEIN HYDROLYSATES metab)
(NITROGEN urine)

REIFER, I.; BUCHOWICZ, J.; TOCZKO, K.

The synthesis of the pyrimidine ring from L-Carbamylaspartic acid
in excised blades of wheat seedlings. Acta biochim. polon. 7 no.1:
29-38 '60.

1. Zaklad Biochemii Roslin, Instytut Biochemii i Biofizyki PAN,
Warszawa.

(PYRIMIDINES metab.)
(ASPARTIC ACID rel.cpds.)
(WHEAT)

REIFER, I.; TOCZKO, K.

Micromethod of quantitative determination of five principal opium alkaloids. Acta biochem. polon. 3 no.3:381-400 1956.

I. Z Pracowni Biochemii Roslin Zakladu Biochemii PAN
Kier. Pracowni prof. I. Reifer.

(OPIUM, determination,
micromethod of quantitative determ. of 5 principal
opium alkaloids (Pol))

TOCZKO, Kazimierz

Biosynthesis and decomposition of nicotine. Postepy biochem. 6
no.1:43-58 '60.
(NICOTINE chem.)

DROESE, Janina; STAWICKA, Danuta; TOCZKO, Maria; NIZIOLEK, S.; BRZESKI, W.;
REIFER, I.

Biosynthesis and metabolism of *Lupinus angustifolius* alkaloids.
II Biosynthesis of alkaloids isolated from germs and cotyledons.
Acta biochim.polon. 7 no.4:459-468 '60.

1. Katedra Biochemii SGGW i Zaklad Biochemii Roslin Instytutu
Biochemii i Biofizyki PAN, Warszawa, Kierownik: prof. dr Ignacy
Reifer.
(ALKALOIDS metab)

Sroczo, M.

SPRECHER, M.
SCHOOL (12 CLASS); CIVIL SERVICE

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Academic Degrees: Academic degrees not indicated

Affiliation: Department of Biochemistry, Central College of Agriculture,
Warsaw (Katedra biochemii, SGH, Warszawa)
Institute of Biochemistry and Biophysics, Polish Academy
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Courses: Warsaw, Bulletin de l'Academie Polonaise des Sciences, Serie
des sciences biologiques, Vol. 1A, no 4, 1961, pp 101-105.

Date: "Stereospecificity of the Enzymes of Macterin
Enzymatic System Induced with Lupanine," paper presented
by J. Ruzicka on 14 February 1961.

Co-author:

SROCZKO, M., same affiliation as above.

KAKOLEWSKA-BANIUK, A.; TOCZKO, M.; BRZESKI, W.

Microbial degradation of lupanine. IV. Bul Ac Pol biol 10
no.5:167-170 '62.

1. Department of Biochemistry, Central College of Agriculture,
and Institute of Biochemistry and Biophysics, Polish Academy
of Sciences, Warsaw. Presented by J.Heller.

*

TOCZKO, M.; BRZESKI, W.; DROESES, J.

Microbial degradation of lupanine.III. Alkaloid intermediates.
Bul. Ac Pol Biol 9 no.11:447-451 '61.

1. Institute of Biochemistry and Biophysics, Polish Academy of Sciences and Department of Biochemistry, Central College of Agriculture, Warsaw. Presented by J.Heller.

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22
24

Varsov. Bulletin de l'Academie Polonaise des Sciences.
Serie des Sciences Biologiques. Vol. X, No 5, 1952.

1. "Studies on the Antigenic Structure of Listeria reuteri Strains. IV. Antigenic Properties and Chemical Structure of Saccharides Facilitated from 8 Strains." R. Pobylski, M. Kucharczak, M. Wozniak (Institute of Medical Microbiology, Faculty of Medicine, Warsaw) Polish article, pp. 151-155.
2. "Production in isolated plant tissues." J. Przybyla, of the Institute of Plant Genetics, Polish Academy of Sciences (Krakow, Poland); English article, pp. 157-160.
3. "Biogenesis of Alkaloids in Higher Seedlings. Some Experimental Data on the Hydroxytryptamine Alkaloids." T. Balcer, M. Wierwornicki, S. Klimak, D. Gospodarcik, D. K. Bielek of the Institute of Biochemistry, Polish Academy of Sciences (Krakow, Poland) and the Department of Biochemistry, Institute of Agriculture, Warsaw (Kazimierz Słoneczny, Bolesław, Weronika), English article, pp. 161-166.
4. "Microbial Degradation of Ligninase. IV. Evolution of Hydroxyphenols as an Intermediate." A. Kabischka-Baum, J. Riedel, and W. Arnsdorf, of the Department of Biochemistry, Central College of Agricultural Science, Warsaw (Institute of Biochemistry and Biophysics, Polish Academy of Sciences (Krakow) and Institute of Soil Science and Environmental Protection, Szreniawa 1, Krakow, Poland), English article, pp. 167-170.
5. "Disturbance in Antigen VI Production as a Result of Replication in Plant Cells." L. Taylor and Z. Domagalski, of the Institute of Virology, Warsaw (Institute of Biochemistry and Biophysics, Polish Academy of Sciences (Krakow)), English article, pp. 171-175.
6. "Notes on Nomenclature from Viet-Nam (Recommendations).
Corridors) A. Wozniak, of the Institute of Zoology, Zoological Branch, Polish Academy of Sciences (Krakow), English version, PAF, English article, pp. 175-180.

BURZYNSKA, W.; TOCZKO, M.; BRZESKI, W.; REIFER, I.

Biosynthesis and changes in the alkaloid content in blue lupine (*L.angustifolius*). III. Changes in the alkaloid content in plants during their development. Acta soc botan Pol 31 no.3:399-408 '62.

1. Department of Biochemistry, Central College of Agriculture, Warsaw and Institute of Biochemistry and Biophysics, Polish Academy of Sciences, Warsaw.

POLAND

TOCZKO M., BRZESKI W., KAKOLEWSKA-BANIUK A.
Institute of Biochemistry and Biophysics at the Polish Academy of Sciences (Instytut Biochemii i Biofizyki, PAN);
Department of Biochemistry at the Agricultural University (Zaklad Biochemii, SGGW), Warsaw.

"Microbial Degradation of Lupanine. V. Identification of
of 17-Hydroxylupanine".

Warsaw, Bulletin de l'Academie Polonaise des Sciences, Serie
des Sciences Biologiques, Vol XI, No 4, 1963; pp 161-164.

Abstract [English article, Russian summary]: It has been established, by means of physico-chemical and biological methods, that alkaloid L previously obtained as a product of bacterial disintegration of lupanine is identical with 17-hydroxylupanine.

Eight bibliographical references are listed: 3 Polish, 3 USA and 2 Canadian.

L1/1

TOCZKO, Maria; NIZIOLEK, S.; RYSZKA, F.; BRZESKI, W.; REIFER, I.

Biosynthesis and metabolism of alkaloids in *Lupinus angustifolius*.
I. Changes in the composition of alkaloids in early stages of
development of plants. *Acta biochim. polon.* 7 no.2/3: 203-213 '60.

1. Zaklad Biochemii Roslin Instytutu Biochemii i Biofizyki PAN
i Katedra Biochemii SGGW, Warszawa Kierownik: prof. dr I.Reifer.
(ALKALOIDS metab)

BRZESKI, W.; TOCZKO, M.

Stereochemical specificity of the enzymes of bacteria *Pseudomonas lulanini* induced with lupanine. *Bul Ac Polbiol* 9 no.4:161-165 '61.
(EEAI 10:9)

1. Department of Biochemistry, Central College of Agriculture,
Warsaw, and Institute of Biochemistry and Biophysics, Polish
Academy of Sciences. Presented by J. Heller.

(*Pseudomonas lulanini* B.) (Lupanine) (Enzymes)

MACH, Zdzislaw; TOCZYNISKI, Tadeusz

Research on iodine - calcium antagonism. Przegl. lek., Krakow 11
no.1:24-29 Jan 55.

1. Z zakladu patol. ogolnej i dosw. A.M. w Krakowie; kier. prof.
dr. med. B.Giedosz.

(IODINE, metabolism
calcium antagonism, eff. on iodine level in blood in
rabbits)

(CALCIUM, metabolism
eff. on iodine level in blood in rabbits)

(BLOOD
iodine level, eff of calcium in rabbits)

(METABOLISM
iodine-calcium antagonism, eff. on iodine level in blood
in rabbits)

TOCZYSKA, E.

Storage of food. (Conclusion) p. 15.
(PRZEMYSŁ GASTRONOMICZNY. Vol. 11, no. 6, June 1956, Warszawa, Poland)

SO: Monthly List of East European Accessions (EEAL) LC. Vol. 6, No. 12, Dec. 1957.
Uncl.

TOCZYSKA, E.

Storage of food. (To be contd.) p.20.
PRZEWODNIK GASTRONOMICZNY (Polskie Wydawnictwa Gospodarcze) Warszawa
Vol. 11, no. 4, Apr. 1956

So. East European Accessions List Vol. 5, no. 9 September 1956

Toczyński, T.

POLAND/Human and Animal Physiology - Body Temperature Regulation. T-2

Abs Jour : Ref Zhur - Biol., No 13, 1953, 83973

Author : Mach, Zdzislaw; Toczyński, Tadeusz; Zygułska-Machowa, Halena
Inst : -

Title : The Levels of Iodine Metabolism in Hypothermia.

Orig Pub : Polski tygod. lekar., 1957, 12, No 41, 1571-1575

Abstract : Rabbits were intravenously injected with KI (100 µ/kg). Simultaneously, some of the animals received intravenous injections of 0.1 or 0.05 µ/kg of sodium salts of luminal for a period of 10 days. Then, for about 3½ hours all animals (with the exception of controls) were subjected to chilling by water containing ice. As such hypothermia was carried out, the blood's and the thyroid gland's (TG) I content became lowered. TG absorbed 3 times less of I than normally. In hypothermic, "narcosis of the diencephalon" protected TG from losing I and even increased its content, without, however, influencing the ability of TG to absorb I.

Card 1/1

MACH, Bronislaw; TOCZYSKI, Tadeusz; MACH, Zdzislaw (Krakow)

Iodine level in blood and gas metabolism in tetanus. Przegl.lek.
Krakow 11 no.4:120-126 '55.

1. Z Kliniki Chorob Zakaznych A.M. w Krakowie, Kierownik: prof.
dr J. Kostrzewski, z Zakladu Patologii Ogol. i Dosw. A.M. w Kra-
kowie Kierownik: prof. dr B. Giedosz.

(TETANUS

acetylcholine metabolism in, relation to iodine level
in blood)

(ACETYCHOLINE, metabolism

in tetanus, relation to iodinelevel in blood)

(BLOOD,in various diseases

: tetanus, iodine level, relation to acetylcholine
metab.)

(IODINE, in blood

in tetanus, relation to acetylcholine metab.

TOCZYN SKI, Tadeusz

MACH, Zdzislaw; TOCZYN SKI, Tadeusz

Iodine test in various conditions of thyroid gland. Przegl. lek.
Krakow 11 no.3:72-75 Mar 55.

L. Z zakl. patol. ogóln. i dosw. A.M. w Krakowie; kier. prof. Dr.
B.Giedosz.

(THYROID GLAND, physiology
iodine test in various cond.)

(IODINE, effects
on thyroid gland activity in various cond.)

TOCZYSKI, Tadeusz; MACH, Zdzislaw

Iodine level in preoperative and immediately postoperative period.
Przegl. lek. Krakow 10 no.12a:388-389 Dec 54.

1. Z Zakladu patol. ogolnej i dozw. A.M. w Krakowie - kierownik
prof. dr. B.Giedosz. Z I kliniki chirurg. A.M. w Krakowie -
kierownik prof. dr. J.Bogusz

(HYPERTHYROIDISM, surgery
preop. & postop. iodine level)

(IODINE, metabolism
preop. & postop. in hyperthyroidism)

TOCZYSKI, Tadeusz; MACH, Zdzislaw

Iodemia level in increased thyroid function. Przegl. lek. Krakow
10 no.12a:387-388 Dec 54.

1. Z zakladu patol. ogoln. i dosw. A.M. w Krakowie - kierownik
prof. dr. B.Giedosz, z I kliniki chirurg. A.M. w Krakowis -
kierownik prof. dr. J.Bogusz

(IODIDES, in blood

in hyperthyroidism)

(HYPERTHYROIDISM, blood in
iodemia level)

(BLOOD, in various diseases
hyperthyroidism, iodides level)